

Protect Your Climate



Bay Area Air Quality Management District

A Curriculum to Teach Students How to Act for Climate Protection:

- Curriculum contains 16 science-based lessons for 4th and 5th grade
- Lessons investigate the science and causes of climate change and how to take action to protect our climate
- Hands-on activities explore air quality, energy, waste, and transportation issues related to climate change
- Science and other State Content Standards addressed

Curriculum Sections



Climate Change Basics: Students learn the key scientific principles around air pollution and climate change.



Reducing Impacts from Energy Use: Students discover how energy, and specifically electricity use, is connected to climate change; and examine renewable energy sources and ways to conserve electricity.



Reducing Impacts from Waste: Students track their own waste habits at school and calculate the benefits of recycling and composting.



Reducing Impacts from Transportation: Students learn how transportation contributes to climate change and explore ways to drive less and avoid emissions from transportation uses.

Lesson Examples



Students demonstrate how combustion of fossil fuels, in this case a petroleum candle, creates soot, an air pollutant.



Students learn how to harness the sun's energy by constructing solar ovens from pizza boxes.



Students tally how many students are picked up per car and then calculate potential emission reductions by increasing carpooling.



Bay Area Air Quality Management District is responsible for maintaining air quality in the San Francisco Bay Area. The *Protect Your Climate* program launches the Air District's effort to provide climate protection education materials to Bay Area schools.

For more information, visit www.baaqmd.gov or contact Sigalle Michael at 415-749-4683.